

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Kenj CHIBA	Customer No.: 23911
Serial No.:	To Be Assigned	Group Art Unit: 1644
Filed:	Concurrently Herewith	Examiner: R. SCHWADRON
Title:	COMPOSITIONS AND METHODS OF USING COMPOSITIONS WITH ACCELERATED LYMPHOCYTE HOMING IMMUNOSUPPRESSIVE PROPERTIES	

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97 and 1.98**

Mail Stop PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which the Examiner may deem relevant to patentability of the claims of the above-identified application.

Copies of publications listed on Forms PTO-1449 and PTO-892 from prior application Serial No. 09/334,213, filed on June 15, 1999, of which this application claims priority under 35 USC § 120, are not being submitted pursuant to 37 CFR § 1.98(d).

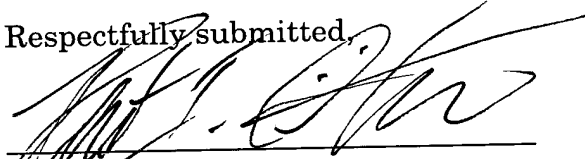
The present Information Disclosure Statement is being filed concurrently with the above-captioned application, and therefore no certification under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary, the paper should be considered as a petition for consideration of the Information Disclosure Statement under 37 C.F.R. §1.97(d)(2) and that the petition fee set forth in 37 C.F.R. §1.17(i) in accordance with 37 C.F.R. §1.97(d)(3) should be charged to Deposit Account No. 05-1323 (Docket No. 029375.43449D4).

October 27, 2003

Respectfully submitted,



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FORM PTO-1449	U.S. Department of Commerce Patent & Trademark Office	Attorney Docket No. 1080/43449DV	Serial No. 09/334,213
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Kenji CHIBA	
		Filing Date June 15, 1999	Group

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
13)	AQ	K. CHIBA, et al. "FTY720, a Novel Immunosuppressant, Induces Sequestration of Circulating Lymphocytes by Acceleration of Lymphocyte Homing" Transplantation Proceedings, 1999							
131	AR	K. CHIBA, et al. "FTY720, a Novel Immunosuppressant, Induces Sequestration of Circulating Mature Lymphocytes by Acceleration of Lymphocyte Homing in Rats. I. FTY720 Selectively Decreases the Number of Circulating Mature Lymphocytes by Acceleration of Lymphocyte Homing" The American Association of Immunologists, 1998							
	AS								

EXAMINER

DATE CONSIDERED 3/21/2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Notice of References Cited			Application No. 08/933,738		Applicant(s) Chiba And Adachi	
			Examiner Mary Tung		Group Art Unit 1644	
Page 1 of 3						
U.S. PATENT DOCUMENTS						
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
①	A	5,219,884	06/15/91	Fugita	514	472
B		5,719,175(w)	02/17/98	Fugita	514	440
C		5,037,958	08/06/91	Hashimoto	530	350
D		5,686,479	11/11/97	Okumoto	514	383
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FOREIGN PATENT DOCUMENTS						
		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS
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NON-PATENT DOCUMENTS						
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)				DATE
①	U	Suzuki, S, et al., Transplantation. 61(2)200-205.				01/27/96
V		Adachi, K, et al., Biorgan. Med. Chem. Let. 5(8)853-856.				1995
W		Chiba, et al., Transplant. Proc. 28(2)1056-1059.				04/96
X		Hirose, R, et al., Bioorgan. Med. Chem. Let. 6(22)2647-2650.				1996

Notice of References Cited

Application No.
08/933,738

Applicant(s)
Chiba And Adachi

Examiner
Mary Tung

Group Art Unit
1644

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U.S. PATENT DOCUMENTS

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Q						
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
①		
U	Fujita, T., et al., Bioorgan. Med. Chem. Let. 5(16)1857-1860.	1995
V	Chiba, K. and Adachi, K. Drugs of the Future. 22(1)18-22.	3/26/97
W	Suzuki, S. et al., Transplant. Proc. 28(4)2049-2050.	04/96
X	Enosawa, S., et al., Immunopharmacology 34:171-179.	1996

Notice of References Cited

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U.S. PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

(3)	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U	Suzuki, S., et al., Immunology. 89:518-523.	1996
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W		
X		

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Form PTO-1449

U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
1560/43449Serial No.
08/933,738

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INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)Applicant
Kenji CHIBAFiling Date
September 23, 1997Group
1103

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	AA	5,604,229	02/97	FUJITA et al.	514	255	
	AB						
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FOREIGN PATENT DOCUMENTS

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	AK	PCT/JP95/01654	08/95	Japan			
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	AM						
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	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ Copending U.S. Application Serial No. 08/801,390, filed February 20, 1997.

AR P. CRESSWELL, Ann. R. Immunol., Vol. 213, p. 259 (1994).

AS M. R. JACKSON et al., Ann. R. Cell Biol., Vol. 9, p. 207 (1993).

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ J.C. HOWARD, Curr. Opin. Immunol., Vol. 7, p. 69 (1995).

~~AR B.D. KAHAN, N. Eng. J. Med., Vol. 321, p. 1725 (1989).~~~~AS Fung, J. et al., Transplant. Proc., Vol. 23, p. 2977 (1991).~~

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	J.F. BOREL et al., "The Biological Effects of Cyclosporin A: A New Antilymphocytic Agent", <i>Agents and Actions</i> , Vol. 6, pp. 468-475 (1976).
AR	J.F. BOREL, "Pharmacology of Cyclosporine (Sandimmune) IV. Pharmacological Properties In Vivo", <i>Pharmacological Rev.</i> , Vol. 41, pp. 259-371 (1989).
AS	T. KINO et al., "FK-506, A Novel Immunosuppressant Isolated From a <i>Streptomyces</i> . Fermentation, Isolation, and Physico-Chemical and Biological Characteristics", <i>J. Antibiotics</i> , Vol. 40, pp. 1249-1255 (1987).

EXAMINER	<i>[Signature]</i>	DATE CONSIDERED	<i>9/29/97</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.			

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	AN						
	AO						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	T. KINO et al., "FK-506, A Novel Immunosuppressant Isolated From a <i>Streptomyces</i> II. Immunosuppressive Effect of FK-506 In-Vitro", J. Antibiotics, Vol. 40, pp. 1246-1265 (1987).
AR	N. INAMURA et al., "Prolongation of Skin Allograft Survival in Rats by a Novel Immunosuppressive Agent, FK-506", Transplantation, Vol. 45, pp. 206-209 (1988).
AS	J. LIU et al., "Calcineurin is a Common Target of Cyclophilin-Cyclosporin A and FKBP-FK506 Complexes", Cell, Vol. 66, pp. 807-815 (1991).

EXAMINER

DATE CONSIDERED

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Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
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U.S. PATENT DOCUMENTS

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	AN						
	AO						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	"European FK506 Multicentre Liver Study Group. Randomised Trial Comparing Tacrolimus (FK506) and Cyclosporin in Prevention of Liver Allograft Rejection", <i>Lancet.</i> , Vol. 344, pp. 423-428 (1994).
AR	M. SLAPAK et al., "The Use of Low-Dose Cyclosporine in Combination With Azathioprine and Steroids in Renal Transplantation", <i>Transplant. Proc.</i> Vol. 1, No. 7, pp. 222-226 (1985).
AS	Y. KOKADO et al., "Low-Dose Cyclosporin Mizoribine and Prednisolone in Renal Transplantation: A New Triple-Drug Therapy", <i>Clin. Transplant.</i> Vol. 4, pp. 191-197 (1990).

EXAMINER

DATE CONSIDERED

EXAMINER:

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	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	T. FUJITA et al., "Fungal Metabolites. Part 11. A Potent Immunosuppressive Activity Found in Isaria Sinclairii Metabolite", J. Antibiotics, Vol. 47, pp. 208-215 (1994).
AR	S. SASAKI et al., "Fungal Metabolites. Part 14. Novel Potent Immunosuppressants, Mycosterolins, Produced by Myceria Sterilia", J. Antibiotics, Vol. 47, pp. 420-433 (1994).
AS	T. FUJITA et al., "Fungal Metabolites. Part 12. Potent Immunosuppressant, 14-deoxomyriosin, (2S,3R,4R) - (E) -2-amino-3,4-dihydroxy-2-hydroxymethyleicos-6-enoic Acid and Structure-Activity Relationships of Myriocin Derivatives", J. Antibiotics, Vol. 47, pp. 216-224 (1994).

EXAMINER

DATE CONSIDERED

EXAMINER:

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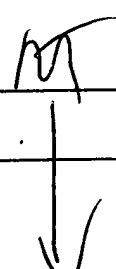
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	AO						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Tetsuro FUJITA et al., "Simple Compounds, 2-alkyl-2-amino-1,3-propanediols Have Potent Immunosuppressive Activity", <i>BioMed. Chem. Lett.</i> , Vol. 5, No. 8, pp. 847-852 (1995).
	AR	T. FUJITA et al., "Potent Immunosuppressants, 2-alkyl-2-aminopropane-1, 3-diols", <i>J. Med. Chem.</i> , Vol. 39, pp. 4451-4459 (1996).
	AS	Kunitomo ADACHI et al., "Design, Synthesis, And Structure-Activity Relationships of 2-substituted-2-amino-1,3-propanediols: Discovery of a Novel Immunosuppressant, FTY720", <i>BioMed. Chem. Lett.</i> , Vol. 5, No. 8, pp. 853-856 (1995).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
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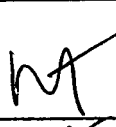
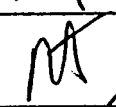
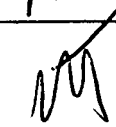
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	AQ	K. CHIBA et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. I. Prolongation of Skin Allograft Survival and Synergistic Effect in Combination with Cyclosporine in Rats", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1056-1059 (1996).
	AR	Barry D. KAHAN et al., "The Synergistic Interactions In Vitro and In Vivo of Brequinar Sodium with Cyclosporine or Rapamycin alone and in Triple Combination", <i>Transplantation</i> , Vol. 55, No. 4, pp. 894-900 (1993).
	AS	Y. HOSHINO et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. II. Long-Term Graft Survival Induction in Rat Heterotopic Cardiac Allografts and Synergistic Effect in Combination with Cyclosporine A", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1060-1061 (1996).

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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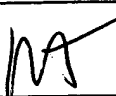
U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
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1103**U.S. PATENT DOCUMENTS**

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	AQ	T. KAWAGUCHI et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. III. Synergistic Prolongation of Canine Renal Allograft Survival in Combination With Cyclosporine A", Transplant. Proc., Vol. 28, No. 2, pp. 1062-1063 (1996).
	AR	Seiichi SUZUKI et al., "A Novel Immunosuppressant, FTY720, With A Unique Mechanism of Action, Induces Long-Term Graft Acceptance in Rat and Dog Allotransplantation", Transplantation, Vol. 61, No. 2, pp. 200-205 (1996).
	AS	S. SUZUKI et al., "Long-Term Graft Acceptance in Allografted Rats and Dogs by Treatment With a Novel Immunosuppressant, FTY720", Transplant. Proc., Vol. 28, No. 3, pp. 1375-1376 (1996).

EXAMINER

DATE CONSIDERED

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	Applicant KENJI CHIBA	
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	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>MA</i>	AQ	M.L. Arbonés et al., "Lymphocyte Homing and Leukocyte Rolling and Migration Are Impaired in L-Selection-Deficient Mice," <u>Immunity</u> , Vol. 1, July 1994, pp. 247-260.
<i>L</i>	AR	M. Slapak et al., "The Use of Low-Dose Cyclosporine in Combination With Azathioprine and Steroids in Renal Transplantation," <u>Transplantation Proceedings</u> , Vol. XVII, No. 1, February 1985, pp. 1222-1226.
	AS	

EXAMINER <i>Mary B. Dwyer</i>	DATE CONSIDERED <i>9/29/00</i>
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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Hff. S. DAVIES et al., "Long-Term Survival of Kidney Allografts in Dogs After Withdrawal of Immunosuppression With Cyclosporin and Azathioprine", <i>Eur. Surg. Res.</i> , Vol. 21, pp. 65-75 (1989).
	AR	H. AMEMIYA et al., "Synergistic Effect of Cyclosporine and Mizoribine on Survival of Dog Renal Allografts", <i>Transplantation</i> , Vol. 46, pp. 768-771 (1988).
<i>W</i>	AS	Y. MASUBUCHI et al., "FTY720, A Novel Immunosuppressant, Possessing Unique Mechanisms. IV. Prevention of Graft Versus Host Reactions in Rats", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1064-1065 (1996).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
1560/43449Serial No.
08/933,738INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)Applicant
Kenji CHIBAFiling Date
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	AA						
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	M.L. ARBONES et al., "Lymphocyte Homing and Leukocyte Rolling and Migration are Impaired in L-Selectin-Deficient Mice", <i>Immunity</i> , Vol. 1, pp. 247-260 (1994).
AR	A. HAMANN et al., "Role of $\alpha 4$ Integrins in Lymphocyte Homing To Mucosal Tissue In Vivo", <i>J. Immunol.</i> Vol. 152, pp. 3282-3293 (1994).
AS	Y. IMAI et al., "Sulphation Requirement For GlyCAM-1, An Endothelial Ligand For L-Selectin", <i>Nature</i> , Vol. 361, pp. 555-557 (1993).

EXAMINER

DATE CONSIDERED

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
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FOREIGN PATENT DOCUMENTS

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	AK						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ C. BERLIN et al., "E. C. $\alpha_5\beta_1$ Integrin Mediates Lymphocyte Binding to the Mucosal Vascular Addressin MacCAM-1", Cell, Vol. 74, pp. 185-195 (1993).

AR B.D. KAHAN, Transplantation, Vol. 52, p. 185- (1991).

AS R.S. SCHWARTZ et al., Nature, Vol. 183, p. 1682 (1959).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. PATENT DOCUMENTS

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	AK						
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	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	L.A. TURKA et al., J. Clin. Invest., Vol. 87, p. 940 (1991).
AR	W.A. LEE et al., Pharm. Res., Vol. 7, p. 161 (1990).
AS	D.V. CRAMER et al., Transplantation, Vol. 53, p. 303 (1992).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	L.J. PICKER et al. "Physiological and Molecular Mechanisms of Lymphocyte Homing", Ann. Rev. Immunol. Vol. 10, p. 561 (1992).
AR	MILLER et al. Transplantation, Vol. 39, p. 555 (1987).
AS	M.J. DALLMAN et al., Immunol. Rev., Vol. 119, p. 163 (1991).

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	M. J. DALLMAN et al., J. Exp. Med., Vol. 174, p. 493 (1991).
AR	J. WANG et al., Science, Vol. 275, p. 1937 (1997).
AS	F. SHANAHAN, "A Gut Reaction: Lymphoepithelial Communication in the Intestine", Science, Vol. 275, pp. 1897-1898 (1997).

EXAMINER

DATE CONSIDERED

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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	T. TANAKA et al., "Characterization of a CD3-Like Rat T Cell Surface Antigen Recognized by a Monoclonal Antibody", <i>J. Immunol.</i> , Vol. 142, p. 2791-2795 (1989).
AR	G. R. WOOLLETT et al., "Molecular and Antigenic Heterogeneity of the Rat Leukocyte-Common Antigen From Thymocytes and T and B Lymphocytes", <i>Eur. J. Immunol.</i> , Vol. 15, p. 168-173 (1985).
AS	Y. MASAKI et al., "Microchimerism and Heart Allograft Acceptance", <i>Transplant. Proc.</i> , Vol. 27, p. 148 (1995).

EXAMINER

DATE CONSIDERED

EXAMINER:

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U.S. PATENT DOCUMENTS

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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	C. LEGENDRE et al., "Prediction of Successful Allograft Rejection Retreatment With OKT3", <i>Transplantation</i> , Vol. 53, p. 94-94 (1992).
AR	T. TAMATANI et al., "Characterization of Rat LECAM-1 (L-Selectin) by the Use of Monoclonal Antibodies and Evidence for the Presence of Soluble LECAM-1 in Rat Sera", <i>Eur. J. Immunol.</i> , Vol. 23, pp. 2181-2188 (1993).
AS	L.M. McEVOY et al., "Anti-CD43 Inhibition of T Cell Homing", <i>J. Exper. Med.</i> , Vol. 185, No. 8, pp. 1493-1498 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AQ	T. TAMATANI et al., "Characterization of the Rat Leukocyte Integrin, CD11/CD18, by the Use of LFA-1 Subunit-Specific Monoclonal Antibodies", <i>Eur. J Immunol.</i> , Vol. 21, pp. 627-633 (1991).
AR	A. SIEGLING et al., "A Novel Multiple Competitor Fragment For Quantitative PCR Analysis of Cytokine Gene Expression in Rats", <i>J. Immunol. Methods</i> , Vol. 177, p. 23-28 (1994).
AS	T. B. ISSEKATZ, Inhibition of In Vivo Lymphocyte Migration to Inflammation and Homing to Lymphoid Tissues by TA-2 Monoclonal Antibody", <i>J Immunol.</i> , Vol. 147, pp. 4178-4184 (1991).

EXAMINER <i>M. Dwyer</i>	DATE CONSIDERED <i>9/29/00</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

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Serial No.

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Applicant
KENJI CHIBAFiling Date
SEPTEMBER 23, 1997Group
1644INFORMATION DISCLOSURE STATEMENT
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	AA						
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FOREIGN PATENT DOCUMENTS

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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NA	AQ	P. Cresswell, "Assembly, Transport, and Function of MHC Class II Molecules," <u>Annu. Rev. Immunol.</u> , Vol. 12, pp. 259-293 (1994)
NA	AR	M.R. Jackson et al., "Assembly and Intracellular Transport of MHC Class I Molecules," <u>Annu. Rev. Cell Biol.</u> , Vol. 9, pp. 207-235 (1993)
NA	AS	J.C. Howard, "Supply and transport of peptides presented by class I MHC molecules," <u>Curr. Opin. Immunol.</u> , Vol. 7, pp. 69-76 (1995)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

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U.S. PATENT DOCUMENTS

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	BA						
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FOREIGN PATENT DOCUMENTS

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	BK						
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	BM						
	BN						
	BO						
	BP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>M</i>	BQ	B.D. Kahan, "Medical Intelligence, Drug Therapy, Cyclosporine," <u>The New England Journal of Medicine</u> , Vol. 321, No. 25, pp. 1725-1738 (December 21, 1989)
<i>MA</i>	BR	J. Fung et al., "A Randomized Trial of Primary Liver Transplantation Under Immunosuppression with FK 506 vs Cyclosporine," <u>Transplantation Proceedings</u> , Vol. 23, No. 6, pp. 2977-2983 (December 1991)
<i>MA</i>	BS	J.F. Borel et al., "Biological Effects of Cyclosporin A: A New Antilymphocytic Agent," <u>Agents and Actions</u> , Vol. 6/4, pp. 468-475 (1976)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. PATENT DOCUMENTS

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	CA						
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FOREIGN PATENT DOCUMENTS

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	CK						
	CL						
	CM						
	CN						
	CO						
	CP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	CQ	J. F. Borel, "Pharmacology of Cyclosporine (Sandimmune) IV. Pharmacological Properties in Vivo," <u>Pharmacological Reviews</u> , Vol. 41, No. 3, pp. 259-371
	CR	T. Kino et al., "FK-506, A Novel Immunosuppressant Isolated from a <i>Streptomyces</i> , I. Fermentation, Isolation and Physico-Chemical and Biological Characteristics," <u>The Journal of Antibiotics</u> , Vol. 40, No. 9, pp. 1249-1255 (1987)
	CS	T. Kino et al., "FK-506, A Novel Immunosuppressant Isolated from a <i>Streptomyces</i> , II. Immunosuppressive Effect of FK-506 In Vitro," <u>The Journal of Antibiotics</u> , Vol. 40, No. 9, pp. 1256-1265 (September 1987)

EXAMINER

DATE CONSIDERED

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	Applicant KENJI CHIBA	
	Filing Date SEPTEMBER 23, 1997	Group 1644

INFORMATION DISCLOSURE STATEMENT
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U.S. PATENT DOCUMENTS

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	DA						
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FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
	DK						
	DL						
	DM						
	DN						
	DO						
	DP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NT	DQ	N. Inamura et al., "Prolongation of Skin Allograft Survival in Rats by a Novel Immunosuppressive Agent, FK506," <u>Transplantation</u> , Vol. 45, No. 1, pp. 206-209 (January 1988)
I	DR	J. Liu et al., "Calcineurin Is a Common Target of Cyclophilin-Cyclosporin A and FKBP-FK506 Complexes," <u>Cell</u> , Vol. 66, pp. 807-815, (August 23, 1991)
	DS	Y. Kokado et al., "Low-dose ciclosporin mizoribine and prednisolone in renal transplantation: A new triple-drug therapy," <u>Clin. Transplantation</u> , Vol. 4, pp. 191-197 (1990)

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DATE CONSIDERED

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
	EK						
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	EM						
	EN						
	EO						
	EP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NA	EQ	T. Fujita et al., "Fungal Metabolites, Part 11. A Potent Immunosuppressive Activity Found in <i>Isaria sinclairii</i> Metabolite," <u>The Journal of Antibiotics</u> , Vol. 47, No. 2, pp. 208-215 (February 1994)
	ER	T. Fujita et al., "Fungal Metabolites, Part 12. Potent Immunosuppressant, 14-Deoxomyriocin, (2S,3R,4R) - (E) - 2-Amino-3,4-Dihydroxy-2-Hydroxymethyleicos-6-Enoic Acid and Structure-Activity Relationships of Myriocin Derivatives," <u>The Journal of Antibiotics</u> , Vol. 47, No. 2, pp. 216-224 (February 1994)
	ES	S. Sasaki et al., "Fungal Metabolites. Part 14. Novel Potent Immunosuppressants, Mycestericins, Produced by <i>Mycelia sterilia</i> ," <u>The Journal of Antibiotics</u> , Vol. 47, No. 4, pp. 420-433 (April 1994)

EXAMINER

DATE CONSIDERED

EXAMINER:

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U.S. PATENT DOCUMENTS

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	FA						
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FOREIGN PATENT DOCUMENTS

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	FK						
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	FN						
	FO						
	FP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MA</i>	FQ	H. ff. S. Davies et al., "Long-Term Survival of Kidney Allografts in Dogs After Withdrawal of Immunosuppression with Ciclosporin and Azathioprine," <u>Eur. Surg. Res.</u> , Vol. 21, pp. 65-75 (1989)
<i>MA</i>	FR	H. Amemiya et al., "Synergistic Effect of Cyclosporine and Mizoribine on Survival of Dog Renal Allografts," <u>Transplantation</u> , Vol. 46, No. 5, pp. 768-771 (November 1988)
	FS	M.L. Arbonés et al., "Lymphocyte Homing and Leukocyte Rolling and Migration are Impaired in α Selectin-Deficient Mice," <u>Immunity</u> , Vol. 1, pp. 247-260 (July 1994)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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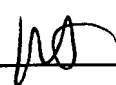
U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
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FOREIGN PATENT DOCUMENTS

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	GK						
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	GO						
	GP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	GQ	A. Hamann et al., "Role of α_4 -Integrins in Lymphocyte Homing to Mucosal Tissues in Vivo," <u>Journal of Immunology</u> , Vol. 152, pp. 3282-3293 (1994)
	GR	Y. Imai et al., "Sulphation requirement for GlyCAM-1, an endothelial ligand for L-selectin," <u>Nature</u> , Vol. 361, pp. 555-557 (February 11, 1993)
	GS	T. B. Issekutz, "Inhibition of In Vivo Lymphocyte Migration to Inflammation and Homing to Lymphoid Tissues by the TA-2 Monoclonal Antibody," <u>The Journal of Immunology</u> , Vol. 147, No. 12, pp. 4178-4184 (December 15, 1991)

EXAMINER

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U.S. PATENT DOCUMENTS

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	HA						
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FOREIGN PATENT DOCUMENTS

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	HK						
	HL						
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	HO						
	HP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	HQ	C. Berlin et al., "α4β7 Integrin Mediates Lymphocyte Binding to the Mucosal Vascular Addressin MadCAM-1," <u>Cell</u> , Vol. 74, pp. 185-195 (July 16, 1993)
	HR	B.D. Kahan et al., "Preclinical Evaluation of a New Potent Immunosuppressive Agent, Rapamycin," <u>Transplantation</u> , Vol. 52, No. 2, pp. 185-191 (August 1991)
	HS	R. Schwartz et al., "Drug-induced Immunological Tolerance," <u>Nature</u> , Vol. 183, p. 1682 (June 13, 1959)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
	Applicant KENJI CHIBA	
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INFORMATION DISCLOSURE STATEMENT
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	IA						
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FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
	IK						
	IL						
	IM						
	IN						
	IO						
	IP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	IQ	L.A. Turka et al., "Guanine Ribonucleotide Depletion Inhibits T Cell Activation," <u>J. Clin. Invest.</u> , Vol. 87, pp. 940-948 (March 1991)
	IR	W.A. Lee et al., "Bioavailability Improvement of Mycophenolic Acid Through Amino Ester Derivatization," <u>Pharmaceutical Research</u> , Vol. 7, No. 2, pp. 161-166 (1990)
	IS	D.V. Cramer et al., "The Effect of a New Immunosuppressive Drug, Brequinar Sodium, on Heart, Liver, and Kidney Allograft Rejection in the Rat," <u>Transplantation</u> , Vol. 53, No. 2, pp. 303-308 (February 1992)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. PATENT DOCUMENTS

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	JA						
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FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
	JK						
	JL						
	JM						
	JN						
	JO						
	JP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	JQ	L.J. Picker et al., "Physiological and Molecular Mechanisms of Lymphocyte Homing," <u>Ann. Rev. Immunol.</u> , Vol. 10, pp. 561-591 (1992)
	JR	J.E. Miller et al., "A New Model of Heterotopic Rat Heart Transplantation with Application for In Vivo ³¹ P Nuclear Magnetic Resonance Spectroscopy," <u>Transplantation</u> , Vol. 39, No. 5, pp. 555-558 (May 1985)
	JS	M.J. Dallman et al., "Cytokine Gene Expression: Analysis using Northern Blotting, Polymerase Chain Reaction and in situ Hybridization," <u>Immunological Reviews</u> , No. 119, pp. 163-179 (1991)

EXAMINER

DATE CONSIDERED

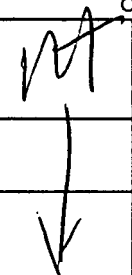
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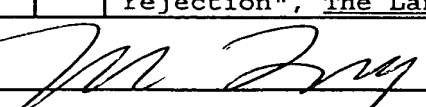
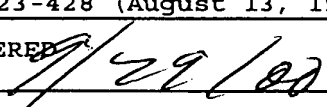
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Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. 1560/43449		Serial No. 08/933,738	
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U.S. PATENT DOCUMENTS							
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FOREIGN PATENT DOCUMENTS							
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	KK						
	KL						
	KM						
	KN						
	KO						
	KP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	KQ	M.J. Dallman et al., "Cytokine Gene Transcription in Vascularised Organ Grafts: Analysis Using Semiquantitative Polymerase Chain Reaction," <u>J. Exp. Med.</u> , Vol. 174, pp. 493-496 (August 1991)
	KR	J. Wang et al., "Local Hormone Networks and Intestinal T Cell Homeostasis," <u>Science</u> , Vol. 275, pp. 1937-1939 (March 28, 1997)
	KS	European FK506 Multicentre Liver Study Group, "Randomised trial comparing tacrolimus (FK506) and cyclosporin in prevention of liver allograft rejection", <u>The Lancet</u> , Vol. 344, pp. 423-428 (August 13, 1994)

EXAMINER: 	DATE CONSIDERED: 
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		
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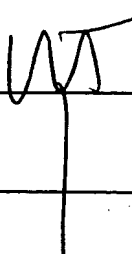
U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	LA						
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FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes No
	LK						
	LL						
	LM						
	LN						
	LO						
	LP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	LQ	T. Tanaka et al., "Characterization of a CD3-like Rat T Cell Surface Antigen Recognized by a Monoclonal Antibody," <u>The Journal of Immunology</u> , Vol. 142, No. 8, pp. 2791-2795 (April 15, 1989)
	LR	G.R. Woollett et al., "Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes," <u>Eur. J. Immunol.</u> , Vol. 15, pp. 168-173 (1985)
	LS	Y. Masaki et al., "Microchimerism and Heart Allograft Acceptance," <u>Transplantation Proceedings</u> , Vol. 27, No. 1, pp. 148-150 (February 1995)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
1560/43449Serial No.
08/933,738INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)Applicant
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SEPTEMBER 23, 1997Group
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	MA						
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FOREIGN PATENT DOCUMENTS

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	MK						
	ML						
	MM						
	MN						
	MO						
	MP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	MQ	C. Legendre et al., "Prediction of Successful Allograft Rejection Retreatment with OKT3," <u>Transplantation</u> , Vol. 53, No. 1, pp. 87-90 (January 1992)
	MR	T. Tamatani et al., Characterization of rat LECAM-1 (L-selectin) by the use of monoclonal antibodies and evidence for the presence of soluble LECAM-1 in rat sera," <u>Eur. J. Immunol.</u> , Vol. 23, pp. 2181-2188, (1993)
	MS	L.M. McEvoy et al., "Anti-CD43 inhibition of T cell homing," <u>J. Exp. Med.</u> , Vol. 185, No. 8, pp. 1493-1498 (April 21, 1997)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce
Patent & Trademark OfficeAtty. Docket No.
1560/434-9Serial No.
08/933,738INFORMATION DISCLOSURE STATEMENT
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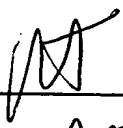
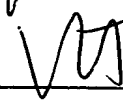
U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	NA						
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FOREIGN PATENT DOCUMENTS

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	NK						
	NL						
	NM						
	NN						
	NO						
	NP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	NQ	T. Tamatani et al., "Characterization of the rat leukocyte integrin, CD11/CD18, by the use of LFA-1 subunit-specific monoclonal antibodies," <u>Eur. J. Immunol.</u> , Vol. 21, pp. 627-633 (1991)
	NR	A. Siegling et al., "A novel multispecific competitor fragment for quantitative PCR analysis of cytokine gene expression in rats," <u>Journal of Immunological Methods</u> , Vol. 177, pp. 23-28 (1994)
	NS	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Notice of References CitedApplication No.
09/334,213

Applicant(s)

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1644

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U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,219,884	6/1993	Fujita	514	472
B	5,948,820	9/1999	Fujita	514	653
C	6,004,565	6/1993	Chiba	424	278.1
D					
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
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